

Fig. 1

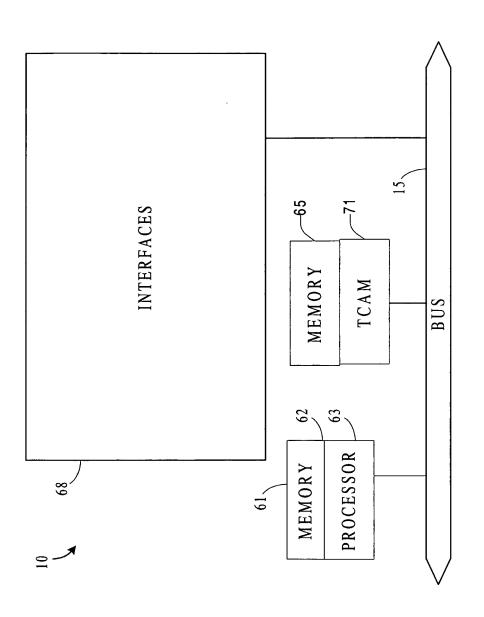


Fig. 2

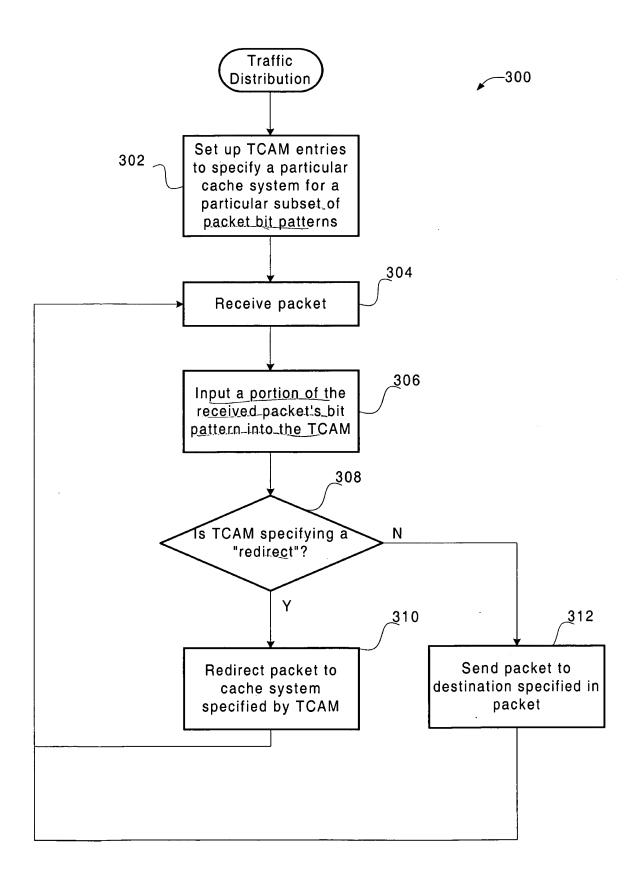


Fig. 3

	•	Redirection	
Bits-to-Match	Action I	Destination	
xx00 0000	Redirect-	Cache0,	
xx00 0001	Redirect	Cache1	
xx00 0010	Redirect	Cache2	
xx00 0011 <	Redirect	Cache3	
•	•	•	~302
•	•	•	\bigcup
•	•	•	
xx11 1100	Forward	-	
xx11 1101	Redirect	Cache1	
xx11 1110	Redirect	Cache2	
xx11 1111	Redirect	Cache3	

Fig. 4

```
bucket 3: h=000000000000000001010000000000
bucket 4: h=0000000000000000000001000000000
bucket 5: h=000000000000000001001000000000
bucket 6: h=000000000000000000011000000000
bucket 7: h=0000000000000000001011000000000
bucket 9: h=000000000000000001000100000000
bucket 10: h=000000000000000000010100000000
bucket 11: h=000000000000000001010100000000
bucket 12: h=00000000000000000001100000000
bucket 13: h=000000000000000001001100000000
bucket 14: h=000000000000000000011100000000
bucket 15: h=0000000000000000001011100000000
bucket 17: h=0000000000000000001000001000000
bucket 18: h=0000000000000000000010001000000
bucket 19: h=000000000000000001010001000000
bucket 20: h=00000000000000000000001001000000
bucket 21: h=000000000000000001001001000000
bucket 22: h=000000000000000000011001000000
bucket 23: h=000000000000000001011001000000
bucket 24: h=0000000000000000000000101000000
bucket 25: h=000000000000000001000101000000
bucket 26: h=000000000000000000010101000000
bucket 27: h=000000000000000001010101000000
bucket 28: h=000000000000000000001101000000
bucket 29: h=000000000000000001001101000000
bucket 30: h=000000000000000000011101000000
bucket 31: h=000000000000000001011101000000
bucket 33: h=0000000000000000010000000000000001
bucket 35: h=00000000000000000101000000001
bucket 37: h=000000000000000001001000000001
bucket 38: h=00000000000000000011000000001
bucket 39: h=00000000000000000101100000001
bucket 41: h=0000000000000000001000100000001
bucket 42: h=0000000000000000000010100000001
bucket 43: h=000000000000000001010100000001
bucket 44: h=000000000000000000001100000001
```

Fig. 5A

```
bucket 45: h=0000000000000000001001100000001
bucket 46: h=000000000000000000011100000001
bucket 47: h=000000000000000001011100000001
bucket 49: h=000000000000000001000001
bucket 50: h=00000000000000000000010001000001
bucket 51: h=0000000000000000001010001000001
bucket 54: h=000000000000000000011001000001
bucket 55: h=000000000000000001011001000001
bucket 57: h=0000000000000000001000101000001
bucket 58: h=0000000000000000000010101000001
bucket 59: h=000000000000000001010101000001
bucket 60: h=0000000000000000001001101000001
bucket 62: h=000000000000000000011101000001
bucket 63: h=000000000000000001011101000001
```

Fig. 5B

```
bucket 3: h=000000000000000001010000000000
bucket 5: h=000000000000000001001000000000
bucket 6: h=000000000000000000011000000000
bucket 7: h=000000000000000001011000000000
bucket 9: h=000000000000000001000100000000
bucket 10: h=000000000000000000010100000000
bucket 11: h=000000000000000001010100000000
bucket 12: h=00000000000000000001100000000
bucket 13: h=000000000000000001001100000000
bucket 14: h=000000000000000000011100000000
bucket 15: h=000000000000000001011100000000
bucket 17: h=000000000000000001000001000000
bucket 18: h=000000000000000000010001000000
bucket 19: h=00000000000000001010001000000
bucket 20: h=0000000000000000000001001000000
bucket 21: h=000000000000000001001001000000
bucket 22: h=000000000000000000011001000000
bucket 23: h=000000000000000001011001000000
bucket 24: h=0000000000000000000000101000000
bucket 25: h=000000000000000001000101000000
bucket 26: h=000000000000000000010101000000
bucket 27: h=000000000000000001010101000000
bucket 28: h=000000000000000000001101000000
bucket 29: h=000000000000000001001101000000
bucket 30: h=000000000000000000011101000000
bucket 31: h=000000000000000001011101000000
bucket 33: h=000000000000000000100000000100
bucket 35: h=000000000000000001010000000100
bucket 37: h=000000000000000001001000000100
bucket 38: h=000000000000000000011000000100
bucket 39: h=000000000000000001011000000100
bucket 41: h=0000000000000000001000100000100
bucket 42: h=0000000000000000000010100000100
bucket 43: h=000000000000000001010100000100
bucket 44: h=000000000000000000001100000100
```

Fig. 6A

```
bucket 45: h=0000000000000000001001100000100
bucket 46: h=000000000000000000011100000100
bucket 47: h=0000000000000000001011100000100
bucket 49: h=000000000000000000100001000100
bucket 50: h=000000000000000000010001000100
bucket 51: h=000000000000000001010001000100
bucket 52: h=0000000000000000000001001000100
bucket 53: h=00000000000000000100100100100
bucket 54: h=0000000000000000001100100100
bucket 55: h=000000000000000001011001000100
bucket 56: h=00000000000000000000000101000100
bucket 57: h=0000000000000000001000101000100
bucket 58: h=000000000000000000010101000100
bucket 59: h=00000000000000000101010101000100
bucket 60: h=000000000000000000001101000100
bucket 61: h=000000000000000001001101000100
bucket 62: h=000000000000000000011101000100
bucket 63: h=000000000000000001011101000100
bucket 66: h=00000000000000000001000000001
bucket 67: h=00000000000000000101000000001
bucket 68: h=0000000000000000000001000000001
bucket 69: h=000000000000000001001000000001
bucket 70: h=0000000000000000001100000001
bucket 71: h=000000000000000001011000000001
bucket 73: h=0000000000000000001000100000001
bucket 74: h=000000000000000000010100000001
bucket 75: h=000000000000000001010100000001
bucket 76: h=00000000000000000001100000001
bucket 77: h=000000000000000001001100000001
bucket 78: h=00000000000000000011100000001
bucket 79: h=000000000000000001011100000001
bucket 81: h=0000000000000000001000001
bucket 82: h=0000000000000000000100010001000001
bucket 83: h=000000000000000001010001000001
bucket 84: h=0000000000000000000001001000001
bucket 85: h=000000000000000001001001000001
bucket 86: h=00000000000000000011001000001
bucket 87: h=000000000000000001011001000001
bucket 89: h=000000000000000001000101000001
```

Fig. 6B

